

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of tracking ~~[[in]]~~ a production of a product in a plant for liquid foods, comprising:

allocating ~~each~~ a unit identity to production units ~~unit~~ in the plant, ~~the~~ [[a]] unit identity ~~which~~ is registered and ~~which~~ constitutes a source and/or a destination;

allocating ~~each~~ a work identity to a material quantity of the product in the production, ~~the~~ [[a]] work identity ~~which~~ is registered; and

registering ~~each event~~ events in the plant with [[a]] the work identity of a material quantity of a product, to identify a transport ~~partly~~ of at least a portion of the material quantity from a source with reference to the unit identity of the source and/or ~~partly~~ to a destination with reference to the unit identity of the destination; and

displaying data associated with at least one event of a specific point in time based on the unit identity of a production unit and a work identity of a material quantity.

2. (Currently Amended) The method as claimed in claim 1, wherein the work identities are registered in a specifically adapted database.

3. (Original) The method as claimed in claim 1, wherein the material quantities are determined by a certain product, by a certain volume and/or a quantity.

4. (Original) The method as claimed in claim 1, wherein the identities include a number of figures, letters and/or a combination of figures and letters.

5. (Currently Amended) The method as claimed in claim 1, wherein the work identity of a material quantity changes identity based on ~~preceded by~~ an event.

6. (Currently Amended) The method as claimed in claim 1, wherein registered events and a material flow in [[a]] the plant are illustrated in a user interface using a tree structure.

7. (Currently Amended) The method as claimed in claim 7, wherein the work identity of a material quantity ~~identity~~ includes washing of a production unit, said material quantity ~~identity~~ having no source and no destination.

8. (Currently Amended) A computer readable medium that contains a program for executing a method for creating a database structure for tracking production of flowable liquid to be packaged into containers within a plant on a computer system, the method[[,]] comprising:

establishing a production unit identity for each production unit to be monitored with respect to the flowable material, wherein each production unit can constitute a source and/or a destination of the flowable liquid;

establishing a material quantity work identity for each quantity of the flowable liquid, wherein a separate material quantity work identity is registered to a partial quantity of the flowable liquid; and

~~a table for registering, in a table,~~ the production unit which serves as a partial source and/or destination for at least a partial quantity of the flowable liquid to a material quantity work identity ~~work~~ representing the partial quantity of the flowable liquid transported by the production unit.

9. (Cancelled)

10. (Currently Amended) The computer readable medium ~~A database~~ structure according to claim 8, wherein the material quantity work identity represents an identified quantity of a certain flowable liquid.

11. (Currently Amended) The computer readable medium ~~A database~~ structure according to claim 8, wherein the production unit is at least one of a liquid transport line and a holding ~~task~~ tank used for batch processing prior to filling product containers.

12. (Currently Amended) The computer readable medium ~~A database~~ structure according to claim 8, wherein at least one material quantity work identity in the database structure represents a first liquid for human consumption, and at least one additional material quantity work identity in the database structure represents a second liquid used to wash a production unit involved in transport of the first liquid.